

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87504

Form C-101
Revised 10-1-78

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U.S.G.S.	
LAND OFFICE	
OPERATOR	

APPROVAL EXPIRES June 14, 1988
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS

OIL CON. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Park
2. Name of Operator T H McELVAIN OIL & GAS PROPERTIES		9. Well No. 1
3. Address of Operator Post Office Box 2143, Santa Fe, New Mexico 87504-2143		10. Field and Pool, or Wildcat Lybrook Gallup EXT
4. Location of Well UNIT LETTER K LOCATED 1755 FEET FROM THE South LINE AND 1750 FEET FROM THE West LINE OF SEC. 36 TWP. 24N RGE. 7W NMPM		12. County Rio Arriba
19. Proposed Depth 5700'		19A. Formation Gallup
20. History of C.T. Rotary		
21. Elevation of Spot (whether DT, RT, etc.) 6772 GL	21A. Kind & Status Plus Bond One well	21B. Drilling Contractor Aztec Drilling Company
22. Approx. Date Work will start June 14, 1988		

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	8-5/8"	24#	260 +/-	250 sks (295ft ³)	Circ.
7-7/8"	4-1/2"	10.5#	5700 +/-	800 sks (1550ft ³)	Surface

- Propose to drill 12 1/4" hole to approximately 260' using natural mud as a circ medium. Run new 8-5/8" 24# J-55 csg to TD & cmnt w/ approx 250 sks Class B + 2% CaCl circld to surface.
- BOP to be installed after surf csg cmntd. Prior to drilling out surf csg, BOP & csg to be tstd to OCD specs. All subsequent work to be conducted through BOP.
- Drill 7-7/8" hole to TD approx 5700' using low solid, nondispersed mud as circ medium.
- Run Dual Induction SFL Log & Compensated Neutron Fromation Density Log prior to running 4 1/2" 10.5# J-55 scg to TD w/ DV tool @ approx 2300'.
- Cmnt 4 1/2" csg to surf in two stages: 1st stage - 10 bbls mud flush followed by 450 sks (625ft³) 50-50 pozmix + 2% gel & 6 1/2# gilsonite & 6# salt per sk, 2nd stage - thru stage collar @ approx 2300' w/ 10 bbls mud flush followed by 300 sks (802ft³) 65-35 pozmix + 12% gel & 6 1/4# gilsonite per sk, tail in w/ 50 sks (59ft³) Class "B" neat.
- Drill out DV tool & pressure test csg.
- Perf and frac Gallup zones, clean well up, run new 2-3/8" EUE 4.7# J-55 tubing & test well.

THE GAS FROM THIS WELL IS NOT DEDICATED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed George B. Broome Title Geological Engineer Date June 7, 1988

(This space for State Use)

DEPUTY OIL & GAS INSPECTOR, DIST. #3

JUN 14 1988

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
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All distances must be from the outer boundaries of the Section.

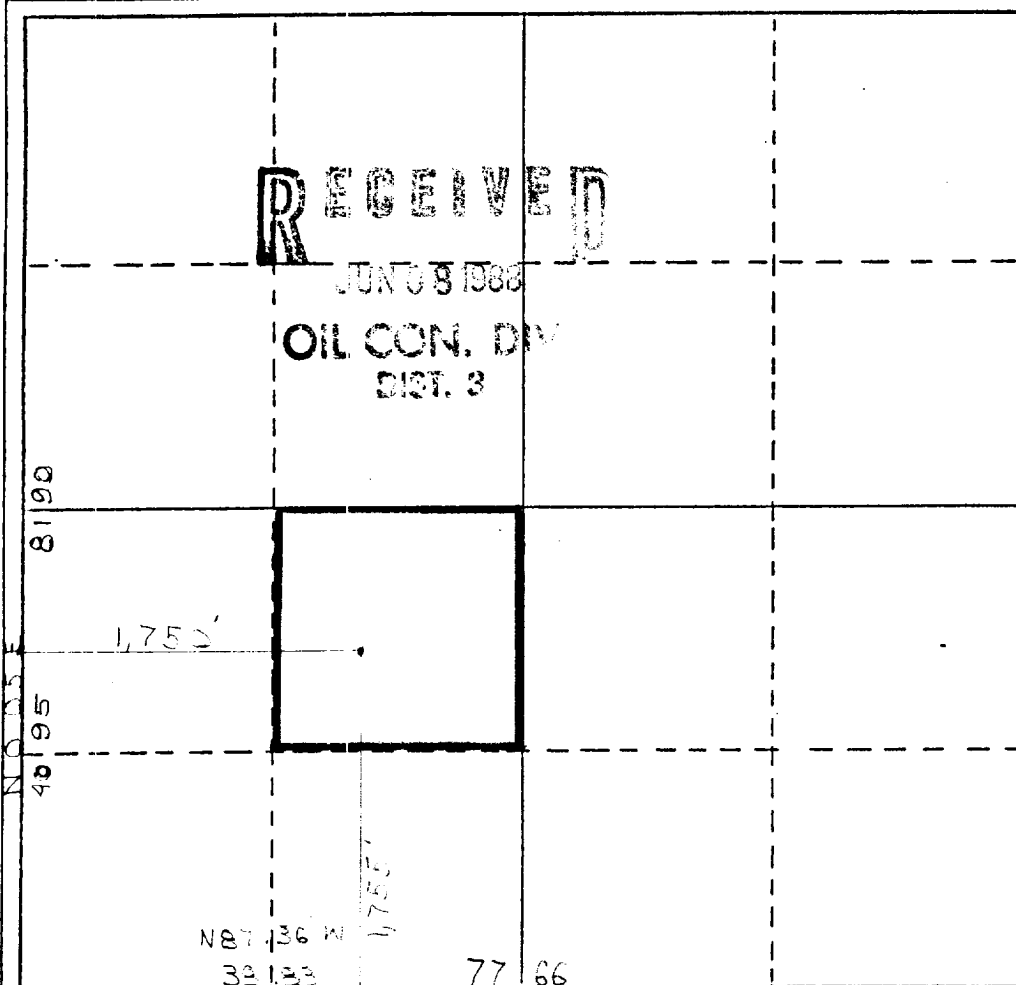
Operator T. H. McElvain Oil & Gas Properties			Lease Park		Well No. 1
Unit Letter K	Section 36	Township T24N	Range R7W	County Rio Arriba	
Actual Footage Location of Well: 1755 feet from the South line and 1750 feet from the West line					
Ground Level Elev. 6772	Producing Formation Gallup		Pool Undesignated Lybrook Gallup		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? n/a

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

George B. Broome
Name
George B. Broome

Position
Geological Engineer

Company T H McElvain Oil & Gas Properties

Date
June 7, 1988

I hereby certify that the location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Registered Professional

Date Surveyed
May 9, 1988

Registered Land Surveyor
R. Howard Daggett

R. Howard Daggett
Certificate No.

9679